

Seattle Children's Research Institute

Center for Clinical and Translational Research

Our Vision

We will translate laboratory discoveries into innovative treatments that improve the lives of children. We will advance the science of clinical research by focusing on new methods to conduct better research in children and mentor clinical scientists to become tomorrow's leaders.

Leadership

Center Director

Bonnie Ramsey, MD

Associate Directors

Douglas Hawkins, MD

Margaret Rosenfeld, MD, MPH

Research Focus Areas

Clinical Trials in Children

Academic Industry Partnerships

Development and Testing
of Novel Devices

Epidemiology and
Biomarker Research

Health Disparities

Comparative Effectiveness Research

Help Us Advance Clinical Research

To learn more about how you can support our efforts, visit www.seattlechildrens.org/ways-to-help or call 206-987-6162.

Learn More:

www.seattlechildrens.org/research/clinical-and-translational-research



Bringing Breakthroughs to Patients

Whether it's making dramatic improvements in cancer outcomes or developing a portable surgical robotic system, the Center for Clinical and Translational Research (CCTR) plays an integral role in transforming scientific discoveries into improved treatments for children. The center leads advances in clinical research — the process of testing and refining new innovations until they are proven safe and effective in children — across the hospital and throughout the world. The center's researchers are generating ideas, analyzing outcomes and working on clinical studies designed to advance pediatric medical practices and improve child health.

From Bench to Bedside

Center Director Bonnie Ramsey knows what it's like to develop breakthrough treatments. She was a driving force behind a therapy that doubled the life expectancy of cystic fibrosis patients. She also helped create a new drug that improves lung function in certain CF patients. Ramsey is now drawing on these experiences to help other researchers make breakthroughs. "Every clinician sees something that could change their patients' lives," she said. "The center's job is to help them do that."

Center for Clinical and Translational Research
Seattle Children's Research Institute
2001 8th Ave, Suite 400
Seattle, WA 98121

TEL 206-884-7469
FAX 206-884-7816



Seattle Children's
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Hope. Care. Cure.™

**Center for Clinical and
Translational Research**

Center Success Stories

- Developed a ground-breaking, inhalable antibiotic that doubled the life expectancy of cystic fibrosis patients.
- Pioneered cancer therapies that make survival rates of Seattle Children's patients the highest in the nation.
- Deciphered the most effective ways to deliver vaccines for H1N1 and other forms of influenza.

CCTR Core Services

- Pediatric Clinical Research Center (PCRC)
- PCRC Lab
- Children's Core for Biomedical Statistics
- Investigational Drug Service
- Clinical Research Staff Support Core
- Radiology Clinical Research Imaging Core
- Office of Regulatory and Clinical Affairs

Funding Opportunities

- Pediatric Pilot Funds Program
- Academic Enrichment Funds Program
- Faculty Research Support Funds Program
- CCTR Bridge Funding Program

Mentoring and Career Development

- Research Scholars Program
- Mentored Scholars Program



State-of-the-art Research Support

The center provides the infrastructure researchers need to ensure their innovations will advance pediatric care and speed improvements to children's health. Staff provide support and collaborate with investigators and their research teams in all aspects of clinical research studies, including biostatistics and data management, investigational drug services, and specimen storage and processing. A state-of-the-art Pediatric Clinical Research Center provides outpatient beds, nurses and other key services to clinical studies involving patients. Regulatory experts make sure studies are safe for children and that each study meets all FDA guidelines, laying the foundation for potential future approval.

Incubating New Discoveries

The center administers five funding programs that ensure new ideas and investigators are constantly refreshing the research pipeline. These programs provide seed money for innovative research projects, helping generate the preliminary results needed to attract funding from the National Institutes of Health or private foundations. CCTR programs also support mentoring and training of promising young investigators, laying the foundation for long and productive research careers.

Partnerships: Accelerate Advances in Patient Care

CCTR is the pediatric home of the Institute of Translational Health Sciences (ITHS), a dynamic and interactive organization that helps researchers obtain the education, resources and collaborations necessary to translate discoveries into practice. The ITHS is part of a national consortium funded by the National Institutes of Health, the Clinical and Translational Science Awards. The ITHS nurtures cross-disciplinary translational research projects and fosters collaborations between the University of Washington, Fred Hutchinson Cancer Research Center and other regional health organizations. These collaborations increase communication between researchers, allowing them to work together and move scientific discoveries into clinical practice more quickly.



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